

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
20 MAR 1995

Sundry Notices and Reports on Wells

950723 111:07

1. Type of Well

GAS

2. Name of Operator

SOUTHLAND ROYALTY COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

990' FSL, 920' FWL, Sec.28, T-31-N, R-12-W, NMPM

5. Lease Number

NM-01614

6. If Indian, All. or

Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Thompson #9

9. API Well No.

30-045-11669

10. Field and Pool

Blanco MV/Basin DK

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Tubing repair

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to repair the tubing in the subject well according to the attached procedure and wellbore diagram.

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OCT - 4 1995
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed [Signature] (LWD4) Title Regulatory Administrator Date 9/22/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

SEP 27 1995

DISTRICT MANAGER

NMOCD

REVISED

1965-1966

RESEARCH TONNAGE

1965-1966

WORKOVER PROCEDURE - TUBING REPAIR

Thompson #9
DPNO 74205/74206
Blanco Mesaverde/Basin Dakota
Unit M, Section 28, T31N, R12W
San Juan County, New Mexico

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98 SEP 05 10:14 AM
0701

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and MOI safety regulations.
2. MOL and RU. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with 1% KCl water as necessary. ND wellhead and NU BOP. Test BOP.
3. POH with 1-1/2" tbg. Inspect tubing and return to yard. (Note any buildup of scale, and notify Operations Engineer.) PU and RIH with 4-3/4" bit and 5-1/2" 15.50# casing scraper on Class B 2-3/8" 4.7# J-55 tbg. to PBTD (7156"). POH.
4. TIH with 5-1/2" RBP and 5-1/2" retrievable packer on 2-3/8" tbg and set RBP at approx. 6980'. Set packer at 6950' and pressure test RBP to 1000#. PU packer and set at 5053'. Pressure test 5-1/2" casing to 1000#. If casing does not test, isolate casing failure and contact Operations Engineer for further evaluation.
5. Release packer. TIH and retrieve RBP. PU RBP and packer. Set RBP at 4790' and packer at 4760'. Pressure test RBP to 1000#. Release packer. Load hole with 1% KCl water and pressure test casing to 1000#. If casing does not test, isolate casing failure and contact Operations Engineer for further evaluation.
6. Release RBP and POOH.
7. RIH with open-ended Class B 2-3/8" 4.7# tbg. with seating nipple 1 jt. off bottom. Land @ 7100'.
8. ND BOP, NU wellhead, rig down, move off location, and restore location.

Recommended:

Gaye White
Operations Engineer

Approval:

K.E. Murray
Production Superintendent

Contacts: Operations Engineer
Operations Engineer

Gaye White
Larry Dillon

326-9875
326-9714

THOMPSON #9

Current -- 8/24/95

Blanco Mesaverde/Basin Dakota

DPNO 74205/74206

990' FSL, 920' FWL

Sec. 28, T31N, R12W, San Juan Co., NM

Spud: 3-20-66
Completed: 5-03-66
Workover: 6-13-68
Tbg C/O: 6-28-91

Pictured Cliffs @ 2455'

Cliff House @ 4022'

Point Lookout @ 4821'

Gallup @ 6098'

Greenhorn @ 6827'

Graneros @ 6882'

Dakota @ 7010'

12 1/4" Hole

8 5/8" 24# Surface csg set @ 308'.
Cement with 250 sacks to surface.

TOC @ 1470'

7 7/8" Hole

TOC @ 4064'

Perf MV 5015'-23', 4900', 4912', 4822'-96'
w/2 SPF. Frac w/60,000# 20/40, 40,000#
10/20, 2700 bbls water.
1968 W/O: Perf 5012'-22, 4820-80 w/2 SPF.
Frac w/40,000# 20/40, 17,000# 10/20, ISIP 0.

DK/MV Commingled with 1 1/2" 2.9# J-55
IJ tubing set @ 7002'.
Seating Nipple @ 6970'.

TOC @ 6475'

1968 W/O: Squeeze Dk w/100 sx - Perf
and Frac - Squeeze off w/50 sx.
Perf 7010'-7082'. Frac with 45,000#
sand and 47,790 gals water.
Re-perf 7012'-7082'. Re-frac' with 27,500#
sand and 49,200 gals water

5 1/2" csg set @ 7187'
14# 4900' / 15.5# 2300'
Cmt with 870 sacks

TD @ 7196'
PBTD @ 7156'

Pertinent Data Sheet - Thompson #9

Location: 990' FSL, 920' FWL, Unit M, Section 28, T31N, R12W, San Juan County, New Mexico
Latitude: 36.865753 **Longitude:** 108.109009

Field: Blanco Mesaverde
Basin Dakota

Completed: 05-03-66
Commingled: 06-28-91

Meridian W.I.: 25.00 SJB.T: 75.00
Meridian N.R.I.: 21.75 SJB.T: 64.25

Casing/Liner Record:

<u>Hole Size</u>	<u>Csq Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12 1/4"	8 5/8"	24.0# K-55	308'	250 sxs	Circ/Surface
7 7/8"	5 1/2"	15.5# K-55	7187'	200 sxs	TOC 6475' (CBL)
		Stage Collar	5153'	320 sx	TOC 4064' (CBL)
		Stage Collar	2664'	350 sx	TOC 1470' (CBL)

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1 1/2"	2.9# J-55 IJ	7002'
	Seating Nipple	6970'

Formation Tops:

Pictured Cliffs:	2455'
Cliff House:	4022'
Point Lookout:	4821'
Gallup:	6098'
Greenhorn:	6827'
Graneros:	6882'
Dakota:	7010'

Logging Record: ES Induction, Temp. Survey

Stimulation:

Perf: DK @ 7012'-28', 7058'-82', 7124'-50' w/4 SPF
MV @ 5015'-23', 4900'-12', 4822'-96' w/2 SPF

Frac: DK - 60,000# 20/40 sand, 39,000# 10/20 sand. Dropped 30 balls. Break down @ 2000#, MTP 2200#, ATP 1750#, 2600 bbls water. ISIP 1150#.
MV - 60,000# 20/40 sand, 40,000# 10/20 sand. Dropped 80 balls. Break down @ 1600#, MTP 1300#, AIR = 64, 2700 bbls water. ISIP 500#.

Workover History:

7-68: Squeeze DK w/100 sx. Perf lower DK @ 7125'-40' w/2 SPF. Frac w/37,530 gals water, 40,000# 20/40 sand, 2400# WG-5 gelling agent. BDP = 1500#, APT = 3500#, AIR 21 BPM, ISIP 2700#. Squeeze w/50 sx, cement retainer @ 7102' Perf DK @ 7010'-14', 7018'-26', 7058'-70', 7076'-82' w/2 SPF. Frac w/47,790 gals water, 45,000# sand. MTP - 3500#, ATP = 3500#, ISIP 3200#. AIR 22 BPM. Perf 7012'-28', 7058'-82'. Refrac'd w/27,500# 20/40 sand, 49,200 gals water. Perf 5012'-22', 4820'-80' w/ 2 SPF. Frac w/40,000# 20/40 sand, 17,000 10/20 sand, ISIP 0. Min TP = 1500#.

6-28-91: Commingle well